ABSTRACT

A method of removing noise from a digital image including receiving an original digital image including a plurality of pixels; generating at least one residual digital image and at least one base digital image from the

5   original digital image, the base digital image having a lower spatial resolution than the original digital image; and generating a noise reduced base digital image by removing noise from the base digital image with a noise reduction filter so that when the noise reduced base digital image is combined with the residual digital image to produce a reconstructed digital image, noise is not present in the

10 reconstructed digital image.